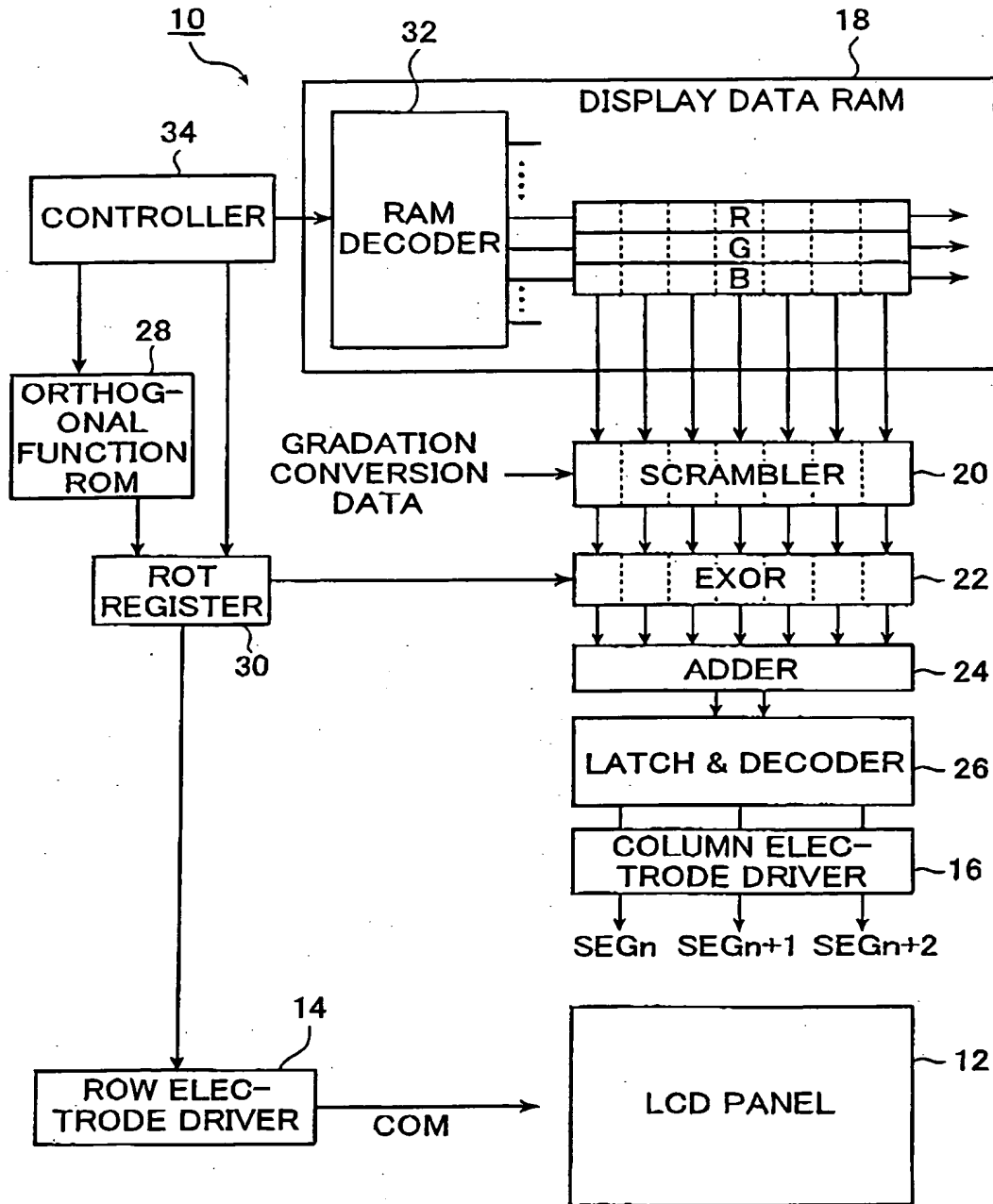


FIG. 1



ORTHOGONAL FUNCTION A				
	AR1	AR2	AR3	AR4
AC1	1	1	1	-1
AC2	1	-1	-1	-1
AC3	1	-1	1	1
AC4	-1	-1	1	-1

ORTHOGONAL FUNCTION B				
	BR1	BR2	BR3	BR4
BC1	1	-1	-1	-1
BC2	1	-1	1	1
BC3	-1	-1	1	-1
BC4	1	1	1	-1

[illegible]

FIG. 3

[illegible]

FIG. 4A

ROW ELECTRODE
SELECTION PATTERN
(ORTHOGONAL FUNCTION A)

	AR1	AR2	AR3	AR4
AC1	1	1	1	-1
AC2	1	-1	-1	-1
AC3	1	-1	1	1
AC4	-1	-1	1	-1

FIG. 4B

DISPLAY PATTERN

R1	R2	R3	R4
1	1	1	1
1	1	1	-1
1	1	-1	1
1	1	-1	-1
1	-1	1	1
1	-1	1	-1
1	-1	-1	1
1	-1	-1	-1
-1	1	1	1
-1	1	1	-1
-1	1	-1	1
-1	1	-1	-1
-1	-1	1	1
-1	-1	1	-1
-1	-1	-1	1
-1	-1	-1	-1

FIG. 4C

RESULT OF
MLA OPERATION

R1	R2	R3	R4
2	-2	2	-2
4	0	0	0
0	0	0	-4
2	2	-2	-2
0	0	4	0
2	2	2	2
-2	2	2	-2
0	4	0	0
0	-4	0	0
2	-2	-2	2
-2	-2	-2	-2
0	0	-4	0
-2	-2	2	2
0	0	0	4
-4	0	0	0
-2	2	-2	2

FIG. 4D

COLUMN
ELECTRODE
VOLTAGE PATTERN

R1	R2	R3	R4
-1	1	-1	1
-2	0	0	0
0	0	0	2
-1	-1	1	1
0	0	-2	0
-1	-1	-1	-1
1	-1	-1	1
0	-2	0	0
0	2	0	0
-1	1	1	-1
1	1	1	1
0	0	2	0
1	1	-1	-1
0	0	0	-2
2	0	0	0
1	-1	1	-1

FIG. 4E

VALUE CORRE-
SPONDING TO THE
EFFECTIVE VOLTAGE

R1	R2	R3	R4
2	2	2	2
2	2	2	-2
2	2	-2	2
2	2	-2	-2
2	-2	2	2
2	-2	2	-2
2	-2	-2	2
2	-2	-2	-2
-2	2	2	2
-2	2	2	-2
-2	2	-2	2
-2	2	-2	-2
-2	-2	2	2
-2	-2	2	-2
-2	-2	-2	2
-2	-2	-2	-2

FIG. 5A

ROW ELECTRODE
SELECTION PATTERN
(ORTHOGONAL FUNCTION B)

	BR1	BR2	BR3	BR4
BC1	1	-1	-1	-1
BC2	1	-1	1	1
BC3	-1	-1	1	-1
BC4	1	1	1	-1

FIG. 5B

DISPLAY PATTERN

R1	R2	R3	R4
1	1	1	1
1	1	1	-1
1	1	-1	1
1	1	-1	-1
1	-1	1	1
1	-1	1	-1
1	-1	-1	1
1	-1	-1	-1
-1	1	1	1
-1	1	1	-1
-1	1	-1	1
-1	1	-1	-1
-1	-1	1	1
-1	-1	1	-1
-1	-1	-1	1
-1	-1	-1	-1

FIG. 5C

RESULT OF
MLA OPERATION

2	-2	2	-2
0	-4	0	0
4	0	0	0
2	-2	-2	2
0	0	0	-4
-2	-2	-2	-2
2	2	-2	-2
0	0	-4	0
0	0	4	0
-2	-2	2	2
2	2	2	2
0	0	0	4
-2	2	2	-2
-4	0	0	0
0	4	0	0
-2	2	-2	2

FIG. 5D

COLUMN
ELECTRODE
VOLTAGE PATTERN

-1	1	-1	1
0	2	0	0
-2	0	0	0
-1	1	1	-1
0	0	0	2
1	1	1	1
-1	-1	1	1
0	0	2	0
0	0	-2	0
1	1	-1	-1
-1	-1	-1	-1
0	0	0	-2
1	-1	-1	1
2	0	0	0
0	-2	0	0
1	-1	1	-1

FIG. 5E

VALUE CORRE-
SPONDING TO THE
EFFECTIVE VOLTAGE

R1	R2	R3	R4
2	2	2	2
2	2	2	-2
2	2	-2	2
2	2	-2	-2
2	-2	2	2
2	-2	2	-2
2	-2	-2	2
2	-2	-2	-2
-2	2	2	2
-2	2	2	-2
-2	2	-2	2
-2	2	-2	-2
-2	-2	2	2
-2	-2	2	-2
-2	-2	-2	2
-2	-2	-2	-2

FIG. 6A

ORTHOGONAL FUNCTION A

AR1	AR2	AR3	AR4	AR5	AR6	AR7	AR8
-1	-1	-1	-1	-1	1	-1	-1
-1	-1	1	-1	1	-1	-1	1
-1	1	-1	-1	-1	-1	1	1
1	-1	1	-1	-1	-1	1	-1
1	-1	-1	1	-1	-1	-1	1
1	1	-1	-1	1	-1	-1	-1
-1	1	1	1	-1	-1	-1	-1

FIG. 6B

ORTHOGONAL FUNCTION B

BR1	BR2	BR3	BR4	BR5	BR6	BR7	BR8
-1	1	1	1	-1	-1	-1	-1
-1	-1	-1	-1	-1	1	-1	-1
-1	-1	1	-1	1	-1	-1	1
-1	1	-1	-1	-1	-1	1	1
1	-1	1	-1	-1	-1	1	-1
1	-1	-1	1	-1	-1	-1	1
1	1	-1	-1	1	-1	-1	-1

FIG. 6C

ORTHOGONAL FUNCTION C

CR1	CR2	CR3	CR4	CR5	CR6	CR7	CR8
1	1	-1	-1	1	-1	-1	-1
-1	1	1	1	-1	-1	-1	-1
-1	-1	-1	-1	-1	1	-1	-1
-1	-1	1	-1	1	-1	-1	1
-1	1	-1	-1	-1	-1	1	1
1	-1	1	-1	-1	-1	1	-1
1	-1	-1	1	-1	-1	-1	1

FIG. 6D

ORTHOGONAL FUNCTION D

DR1	DR2	DR3	DR4	DR5	DR6	DR7	DR8
1	-1	-1	1	-1	-1	-1	1
1	1	-1	-1	1	-1	-1	-1
-1	1	1	1	-1	-1	-1	-1
-1	-1	-1	-1	-1	1	-1	-1
-1	-1	1	-1	1	-1	-1	1
-1	1	-1	-1	-1	-1	1	1
1	-1	1	-1	-1	-1	1	-1

[illegible]

[illegible]

FIG. 9A

ROW ELECTRODE
SELECTION PATTERN
(ORTHOGONAL FUNCTION A)

AR1	AR2	AR3	AR4	AR5	AR6	AR7	AR8
-1	-1	-1	-1	-1	1	-1	-1
-1	-1	1	-1	1	-1	-1	1
-1	1	-1	-1	-1	-1	1	1
1	-1	1	-1	-1	-1	1	-1
1	-1	-1	1	-1	-1	-1	1
-1	1	-1	-1	1	-1	-1	-1
-1	1	1	1	-1	-1	-1	-1

FIG. 9B

FIG. 9C

FIG. 9D

FIG. 9E

DISPLAY PATTERN	RESULT OF MLA OPERATION	COLUMN ELECTRODE VOLTAGE PATTERN	VALUE CORRESPONDING TO THE EFFECTIVE VOLTAGE
R1 R2 R3 R4 R5 R6 R7			R1 R2 R3 R4 R5 R6 R7
1 1 1 1 1 1 1	-1 -1 -1 -3 -3 -5 -3 -1	1 1 1 1 1 3 1 1	4 4 4 4 4 4 4
1 1 1 1 1 1 -1	1 -3 -3 -5 -1 -3 -1 1	-1 1 1 3 1 1 1 -1	4 4 4 4 4 4 -4
1 1 1 1 1 1 1	-3 -3 1 -1 -5 -3 -1 1	1 1 -1 1 3 1 1 -1	4 4 4 4 4 -4 4
1 1 1 1 1 -1 -1	-1 -5 -1 -3 -3 -1 1 3	1 3 1 1 1 1 1 -1	4 4 4 4 4 -4 -4
1 1 1 1 -1 1 1	-3 1 1 -5 -1 -3 -1 -3	1 -1 -1 3 1 1 1 1	4 4 4 4 -4 4 4
1 1 1 1 1 -1 -1	-1 -1 -1 -7 1 -1 1 -1	1 1 1 3 -1 1 -1 1	4 4 4 4 -4 4 -4
1 1 1 1 -1 -1 1	-5 -1 3 -3 -3 -1 1 -1	3 1 -1 1 1 1 -1 1	4 4 4 4 -4 -4 4
1 1 1 1 -1 -1 1	-3 -3 1 -5 -1 1 3 1	1 1 -1 3 1 1 -1 -1	4 4 4 4 -4 -4 -4
1 1 1 -1 1 1 1	-3 1 -3 -1 -1 -3 -5 1	1 -1 1 1 1 1 1 3	4 4 4 -4 4 4 4
1 1 1 -1 1 1 -1	-1 -1 -5 -3 1 -1 -3 3	1 1 3 1 -1 1 1 -1	4 4 4 -4 4 4 -4
1 1 1 -1 1 -1 1	-5 -1 -1 1 -3 -1 -3 3	3 1 1 -1 1 1 1 -1	4 4 4 -4 4 -4 4
1 1 1 -1 1 -1 -1	-3 -3 -3 -1 -1 1 -1 5	1 1 1 1 1 1 -1 -3	4 4 4 -4 -4 -4 -4
1 1 1 -1 -1 1 1	-5 3 -1 -3 1 -1 -3 -1	3 -1 1 1 -1 1 1 1	4 4 4 -4 -4 4 4
1 1 1 -1 -1 1 -1	-3 1 -3 -5 3 1 -1 1	1 -1 1 3 -1 -1 1 -1	4 4 4 -4 -4 4 -4
1 1 1 -1 -1 -1 1	-7 1 1 -1 -1 1 -1 1	3 -1 -1 1 1 -1 1 -1	4 4 4 -4 -4 -4 4
1 1 1 -1 -1 -1 -1	-5 -1 -1 -3 1 3 1 3	3 1 1 1 -1 -1 -1 -1	4 4 4 -4 -4 -4 -4
1 1 -1 1 1 1 1	1 -3 1 -1 -1 -3 -5 -3	-1 1 -1 1 1 1 3 1	4 4 -4 4 4 4 4
1 1 -1 1 1 1 -1	3 -5 -1 -3 1 -1 -3 -1	-1 3 1 1 -1 1 1 1	4 4 -4 4 4 4 -4
1 1 -1 1 1 -1 1	-1 -5 3 1 -3 -1 -3 -1	1 3 -1 -1 1 1 1 1	4 4 -4 4 4 -4 4
1 1 -1 1 1 -1 -1	1 -7 1 -1 -1 1 -1 1	-1 3 -1 1 1 -1 1 -1	4 4 -4 4 4 -4 -4
1 1 -1 1 -1 1 1	-1 -1 3 -3 1 -1 -3 -5	1 1 -1 1 -1 1 1 3	4 4 -4 4 -4 4 4
⋮	⋮	⋮	⋮
-1 -1 1 -1 1 -1 -1	1 1 -3 3 -1 1 3 5	-1 -1 1 -1 1 -1 -1 -3	-4 -4 4 -4 4 -4 -4
-1 -1 1 -1 1 1 1	-1 7 -1 1 1 -1 1 -1	1 -3 1 -1 -1 1 -1 1	-4 -4 4 -4 -4 4 4
-1 -1 1 -1 1 -1 1	1 5 -3 -1 3 1 3 1	-1 -3 1 1 -1 -1 -1 -1	-4 -4 4 -4 -4 4 -4
-1 -1 1 -1 -1 1 1	-3 5 1 3 -1 1 3 1	1 -3 -1 -1 1 -1 -1 -1	-4 -4 4 -4 -4 -4 4
-1 -1 1 -1 -1 -1 1	-1 3 -1 1 1 3 5 3	1 -1 1 -1 -1 -1 -3 -1	-4 -4 4 -4 -4 -4 -4
-1 -1 -1 1 1 1 1	5 1 1 3 -1 -3 -1 -3	-3 -1 -1 -1 1 1 1 1	-4 -4 4 4 4 4 4
-1 -1 -1 1 1 1 -1	7 -1 -1 1 1 -1 1 -1	-3 1 1 -1 -1 1 -1 1	-4 -4 4 4 4 4 -4
-1 -1 -1 1 1 -1 1	3 -1 3 5 -3 -1 1 -1	-1 1 -1 -3 1 1 -1 1	-4 -4 4 4 4 -4 4
-1 -1 -1 1 1 -1 -1	5 -3 1 3 -1 1 3 1	-3 1 -1 -1 1 -1 -1 -1	-4 -4 4 4 4 -4 -4
-1 -1 -1 1 -1 1 1	3 3 3 1 1 -1 1 -5	-1 -1 -1 -1 1 -1 3	-4 -4 4 4 -4 4 4
-1 -1 -1 1 -1 1 -1	5 1 1 -1 3 1 3 -3	-3 -1 -1 1 -1 -1 1	-4 -4 4 4 -4 -4 4
-1 -1 -1 1 -1 -1 1	1 1 5 3 -1 1 3 -3	-1 -1 -3 -1 1 -1 1	-4 -4 4 -4 4 -4 4
-1 -1 -1 1 -1 -1 -1	3 -1 3 1 1 3 5 -1	-1 1 -1 -1 -1 -1 -3 1	-4 -4 4 -4 4 -4 -4
-1 -1 -1 -1 1 1 1	3 3 -1 5 1 -1 -3 -1	-1 -1 1 -3 -1 1 1 1	-4 -4 4 -4 4 4 4
-1 -1 -1 -1 1 1 -1	5 1 -3 3 3 1 -1 1	-3 -1 1 -1 -1 1 -1 -1	-4 -4 4 -4 4 4 -4
-1 -1 -1 -1 1 -1 1	1 1 1 7 -1 1 -1 1	-1 1 -1 -3 -1 -1 -1 -1	-4 -4 4 -4 4 -4 4
-1 -1 -1 -1 1 -1 -1	3 -1 -1 5 1 3 1 3	-1 -1 1 -3 -1 -1 -1 -1	-4 -4 4 -4 4 -4 -4
-1 -1 -1 -1 -1 1 1	1 5 1 3 3 1 -1 -3	-1 -3 -1 -1 -1 -1 1 1	-4 -4 4 -4 -4 4 4
-1 -1 -1 -1 -1 1 -1	3 3 -1 1 5 3 1 -1	-1 -1 1 -1 -3 -1 -1 1	-4 -4 4 -4 -4 4 -4
-1 -1 -1 -1 -1 -1 1	-1 3 3 5 1 3 1 1	-1 -1 -1 -3 -1 -1 -1 1	-4 -4 4 -4 -4 -4 4
-1 -1 -1 -1 -1 -1 -1	1 1 1 3 3 5 3 1	-1 -1 -1 -1 -1 -3 -1 -1	-4 -4 4 -4 -4 -4 -4

FIG. 10A

ROW ELECTRODE
SELECTION PATTERN
(ORTHOGONAL FUNCTION B)

BR1	BR2	BR3	BR4	BR5	BR6	BR7	BR8
-1	1	1	1	-1	-1	-1	-1
-1	-1	-1	-1	-1	1	-1	-1
-1	-1	1	-1	1	-1	-1	1
-1	1	-1	-1	-1	-1	1	1
1	-1	1	-1	-1	-1	1	-1
1	-1	-1	-1	-1	-1	-1	1
1	1	-1	-1	1	-1	-1	-1

FIG. 10B FIG. 10C FIG. 10D FIG. 10E

DISPLAY PATTERN							RESULT OF MLA OPERATION							COLUMN ELECTRODE VOLTAGE PATTERN							VALUE CORRESPONDING TO THE EFFECTIVE VOLTAGE							
R1	R2	R3	R4	R5	R6	R7																						
1	1	1	1	1	1	1	-1	-1	-1	-3	-3	-5	-3	-1	1	1	1	1	1	3	1	1	4	4	4	4	4	4
1	1	1	1	1	1	-1	-3	-3	1	-1	-5	-3	-1	1	1	1	-1	1	1	3	1	1	-4	4	4	4	4	-4
1	1	1	1	1	-1	1	-3	1	1	-5	-1	-3	-1	-3	1	1	1	1	1	1	1	1	-4	4	4	4	4	-4
1	1	1	1	1	-1	-1	-5	-1	3	-3	-3	-1	1	-1	3	1	-1	1	1	1	1	1	-4	4	4	4	4	-4
1	1	1	1	-1	1	1	-3	1	-3	-1	-1	-3	-5	1	1	1	1	1	1	3	-1	1	4	4	4	4	4	-4
1	1	1	1	-1	-1	-1	-5	-1	-1	1	-3	-1	-3	3	3	1	-1	1	1	1	1	1	4	4	4	4	4	-4
1	1	1	1	-1	-1	-1	-5	3	-1	-3	1	-1	-3	-1	3	-1	1	1	1	1	1	1	4	4	4	4	4	-4
1	1	1	1	-1	-1	-1	-7	1	1	-1	-1	1	-1	1	3	-1	-1	1	1	-1	1	1	4	4	4	4	4	-4
1	1	1	-1	1	1	1	1	-3	1	-1	-1	-3	-5	-3	-1	1	1	1	1	3	1	1	4	4	4	4	4	-4
1	1	1	-1	1	1	-1	-1	-5	3	1	-3	-1	-3	-1	1	3	-1	1	1	1	1	1	4	4	4	4	4	-4
1	1	1	-1	1	1	-1	-1	-1	3	-3	1	-1	-3	-5	1	1	-1	1	1	1	3	1	4	4	4	4	4	-4
1	1	1	-1	1	1	-1	-3	-3	5	-1	-1	1	-1	-3	1	1	-3	1	1	1	1	1	4	4	4	4	4	-4
1	1	1	-1	-1	1	1	-1	-1	-1	1	1	-1	-7	-1	1	1	-1	1	1	3	1	1	4	4	4	4	4	-4
1	1	1	-1	-1	1	1	-3	-3	1	3	-1	1	-5	1	1	1	-1	1	1	3	-1	1	4	4	4	4	4	-4
1	1	1	-1	-1	1	1	-3	1	1	-1	-5	1	3	-3	1	1	1	1	1	3	1	1	4	4	4	4	4	-4
1	1	-1	1	1	1	1	1	1	-3	-1	-5	-3	-1	-3	1	1	1	1	1	3	1	1	4	4	4	4	4	-4
1	1	-1	1	1	1	-1	-1	-1	-1	1	-7	-1	-1	1	1	1	1	1	1	3	1	1	4	4	4	4	4	-4
1	1	-1	1	1	1	-1	-1	3	-1	-3	-3	-1	1	-5	1	1	1	1	1	3	-1	1	4	4	4	4	4	-4
1	1	-1	1	1	1	-1	-3	1	1	-1	-5	1	3	-3	1	1	1	1	1	3	-1	1	4	4	4	4	4	-4
1	1	-1	1	1	1	-1	-1	3	-5	1	-3	-1	-3	-1	1	1	1	1	1	1	1	1	4	4	4	4	4	-4
⋮							⋮							⋮							⋮							
-1	-1	1	-1	1	-1	-1	1	-3	5	-1	3	1	3	1	-1	1	-3	1	-1	-1	-1	-1	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	3	-1	-1	1	5	-1	-3	3	1	1	-1	1	1	-3	1	-1	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	1	-3	1	3	3	1	-1	5	1	1	-1	1	1	-1	-1	-3	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	1	1	1	-1	7	1	-1	1	1	1	-1	1	1	-3	-1	-1	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	-1	-1	3	1	5	3	1	3	1	1	-1	1	1	-1	-1	-1	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	5	1	-3	-1	-1	-3	3	1	1	1	1	1	1	-3	1	-1	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	3	3	-1	-3	1	-1	5	-1	1	1	1	1	1	-3	1	-1	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	1	1	1	-1	-1	1	7	1	1	1	1	1	1	-3	-1	-1	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	3	3	-5	1	1	-1	1	3	1	1	1	1	1	-1	-1	-1	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	1	1	-3	3	-1	1	3	5	1	1	1	1	1	-1	-1	-3	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	1	5	-3	-1	3	1	3	1	1	1	1	1	1	-1	-1	-1	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	-1	3	-1	1	1	3	5	3	1	1	1	1	1	-3	-1	-1	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	7	-1	-1	1	1	-1	1	-1	1	1	1	1	1	1	1	1	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	5	-3	1	3	-1	1	3	1	1	1	1	1	1	-1	-1	-1	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	5	1	1	-1	3	1	3	-3	1	1	1	1	1	-1	-1	-1	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	3	-1	3	1	1	3	5	-1	1	1	1	1	1	-3	1	-1	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	5	1	-3	3	3	1	-1	1	1	1	1	1	1	-1	-1	-1	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	3	-1	-1	5	1	3	1	3	1	1	1	1	1	-1	-1	-1	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	3	3	-1	1	5	3	1	-1	1	1	1	1	1	-1	-1	-1	-4	-4	4	-4	4	-4
-1	-1	1	-1	-1	1	1	1	1	1	3	3	5	3	1	1	1	1	1	1	-3	-1	-1	-4	-4	4	-4	4	-4

FIG. 11A

ROW ELECTRODE
SELECTION PATTERN
(ORTHOGONAL FUNCTION C)

CR1	CR2	CR3	CR4	CR5	CR6	CR7	CR8
1	1	-1	-1	1	-1	-1	-1
-1	1	1	1	-1	-1	-1	-1
-1	-1	-1	-1	-1	1	-1	-1
-1	-1	1	-1	1	-1	-1	1
-1	1	-1	-1	-1	-1	1	1
1	-1	1	-1	-1	-1	1	-1
1	-1	-1	1	-1	-1	-1	1

FIG. 11B FIG. 11C FIG. 11D FIG. 11E

DISPLAY PATTERN							RESULT OF MLA OPERATION							COLUMN ELECTRODE VOLTAGE PATTERN							VALUE CORRESPONDING TO THE EFFECTIVE VOLTAGE						
R1	R2	R3	R4	R5	R6	R7	R1	R2	R3	R4	R5	R6	R7	R1	R2	R3	R4	R5	R6	R7	R1	R2	R3	R4	R5	R6	R7
1	1	1	1	1	1	1	-1	-1	-3	-3	-5	-3	-1	1	1	1	1	3	1	1	4	4	4	4	4	4	4
1	1	1	1	1	1	-1	-3	1	1	-5	-1	-3	-1	-3	1	1	1	1	1	1	4	4	4	4	4	4	-4
1	1	1	1	1	1	-1	-3	1	-3	-1	-1	-3	-5	1	-1	1	1	1	1	3	-1	4	4	4	4	4	-4
1	1	1	1	1	1	-1	-5	3	-1	-3	1	1	-3	-1	3	-1	1	1	1	1	1	4	4	4	4	4	-4
1	1	1	1	1	-1	1	1	-3	1	-1	-1	-3	-5	-3	-1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	-1	3	-3	1	-1	-3	-5	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	-1	-1	1	1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-3	1	1	-1	3	1	-5	-3	-1	-1	-1	-1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	-3	-1	-5	-3	-1	-3	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	-1	-3	-3	-1	1	-5	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	-5	1	-3	-1	-3	-1	1	1	1	1	-1	1	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	-1	1	1	3	-3	-5	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	-1	1	1	3	-3	-5	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	3	-3	1	-5	1	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-3	5	1	-1	3	-3	-1	1	1	1	1	1	-1	1	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	3	-1	1	1	3	1	-3	-5	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	-1	1	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	3	-3	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	-1	1	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	3	-3	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	-1	1	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	3	-3	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	-1	1	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	3	-3	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	-1	1	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	3	-3	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	-1	1	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	3	-3	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	-1	1	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	3	-3	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	-1	1	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	3	-3	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	-1	1	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	3	-3	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	-1	1	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	3	-3	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	-1	1	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	3	-3	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	-1	1	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	1	1	1	-1	-1	-7	-1	1	1	1	1	1	1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1	-1	3	3	-3	1	-5	-3	-1	1	1	1	1	-1	3	1	4	4	4	4	4	4
1	1	1	1	1	-1	1																					

FIG. 12A

ROW ELECTRODE
SELECTION PATTERN
(ORTHOGONAL FUNCTION D)

DR1	DR2	DR3	DR4	DR5	DR6	DR7	DR8
1	-1	-1	1	-1	1	-1	1
1	1	-1	-1	1	-1	-1	-1
-1	1	1	1	1	-1	-1	-1
-1	-1	-1	-1	-1	1	-1	-1
-1	1	1	-1	1	-1	-1	1
-1	1	-1	-1	1	-1	1	1
1	-1	1	-1	1	-1	1	-1

FIG. 12B FIG. 12C FIG. 12D FIG. 12E

DISPLAY PATTERN							RESULT OF MLA OPERATION							COLUMN ELECTRODE VOLTAGE PATTERN							VALUE CORRESPONDING TO THE EFFECTIVE VOLTAGE						
R1	R2	R3	R4	R5	R6	R7															R1	R2	R3	R4	R5	R6	R7
1	1	1	1	1	1	1	-1	-1	1	-3	-3	-5	-3	-1	1	1	1	1	3	1	1	4	4	4	4	4	4
1	1	1	1	1	1	-1	-3	1	-3	-1	-1	-3	-5	1	-1	-1	1	1	1	3	-1	4	4	4	4	4	-4
1	1	1	1	1	-1	1	1	-3	1	-1	-1	-3	-5	-3	-1	1	-1	1	1	3	1	4	4	4	4	4	-4
1	1	1	1	1	-1	-1	-1	-1	-1	1	1	-1	-7	-1	1	1	1	-1	-1	1	3	1	4	4	4	4	-4
1	1	1	1	-1	1	1	1	1	-3	-1	-5	3	-1	-3	-1	-1	1	1	3	1	1	4	4	4	4	-4	4
1	1	1	1	-1	1	-1	-1	3	-5	1	-3	-1	-3	-1	1	-1	3	-1	1	1	1	4	4	4	4	-4	-4
1	1	1	1	-1	-1	1	3	-1	-1	1	-3	-1	-3	-5	1	1	1	-1	1	1	3	4	4	4	4	-4	4
1	1	1	1	-1	-1	-1	1	1	-3	3	-1	1	-5	-3	-1	-1	1	-1	1	-1	3	4	4	4	4	-4	-4
1	1	1	-1	-1	1	1	1	1	1	-1	1	-7	-1	1	-1	-1	1	1	1	3	-1	4	4	4	4	4	4
1	1	1	-1	-1	1	-1	-1	3	-1	1	1	5	-3	3	-1	-1	1	-1	3	1	-1	4	4	4	4	4	-4
1	1	1	-1	-1	1	-1	3	-1	3	1	1	-6	-3	-1	-1	-1	-1	-1	3	1	1	4	4	4	4	4	-4
1	1	1	-1	-1	1	-1	1	1	1	3	3	-6	1	-1	1	-1	-1	-1	3	-1	1	4	4	4	4	-4	4
1	1	1	-1	-1	1	1	3	3	-1	1	-3	-5	1	-1	-1	1	-1	1	3	1	1	4	4	4	4	-4	4
1	1	1	-1	-1	1	-1	1	5	3	3	-1	-3	-1	1	-1	-3	1	-1	1	1	1	4	4	4	4	-4	-4
1	1	1	-1	-1	1	-1	6	1	1	3	-1	3	-1	-3	-1	-1	1	1	1	1	1	4	4	4	4	-4	4
1	1	1	-1	-1	1	-1	3	3	-1	5	1	-1	3	-1	-1	-1	1	1	3	-1	1	4	4	4	4	-4	-4
1	1	-1	-1	1	1	1	1	-3	-3	-5	-1	-3	-1	1	1	1	1	3	1	1	-1	4	4	4	4	4	4
1	1	-1	-1	1	1	-1	-1	-1	-5	-3	1	-1	-3	3	-1	1	1	3	1	-1	1	4	4	4	4	4	-4
1	1	-1	-1	1	1	-1	3	-5	1	-3	1	-1	-3	-1	-1	3	1	1	-1	1	1	4	4	4	4	-4	4
1	1	-1	-1	1	1	-1	1	-3	-3	1	3	1	-5	1	-1	1	-1	-1	3	-1	1	4	4	4	4	-4	-4
1	1	-1	-1	1	1	1	3	-1	-5	-3	-3	-1	1	-1	-1	1	1	1	1	-1	1	4	4	4	4	4	4
1	1	-1	-1	1	1	-1	-1	-1	-1	-5	-3	1	1	-3	3	-1	1	1	1	-1	1	4	4	4	4	4	-4
1	1	-1	-1	1	1	-1	-3	-3	1	-1	3	5	-1	1	-1	-1	1	-1	-3	1	-1	4	4	4	4	4	-4
1	1	-1	-1	1	1	-1	-3	1	3	-1	-1	5	3	1	-1	1	1	1	-3	-1	1	4	4	4	4	4	-4
1	1	-1	-1	1	1	-1	1	-3	1	-1	-1	5	3	-3	-1	1	1	1	-3	-1	1	4	4	4	4	-4	4
1	1	-1	-1	1	1	-1	-1	-1	-1	1	1	1	7	1	-1	1	1	1	-3	-1	1	4	4	4	4	-4	-4
1	1	-1	-1	1	1	1	1	-1	3	-3	1	-1	6	3	-1	1	1	1	-3	-1	1	4	4	4	4	4	4
1	1	-1	-1	1	1	-1	-3	1	1	-1	3	1	3	6	-1	1	1	-1	-1	1	-3	4	4	4	4	4	-4
1	1	-1	-1	1	1	-1	1	-3	5	-1	3	1	3	1	1	-1	1	3	1	-1	1	4	4	4	4	-4	4
1	1	-1	-1	1	1	-1	-1	-1	3	1	5	3	1	3	-1	1	1	1	-3	-1	1	4	4	4	4	-4	-4
1	1	-1	-1	1	1	1	1	1	1	-1	-1	1	7	1	-1	1	1	1	-3	-1	1	4	4	4	4	4	4
1	1	-1	-1	1	1	-1	-1	3	-1	1	1	3	6	3	-1	1	1	1	-3	-1	1	4	4	4	4	-4	-4
1	1	-1	-1	1	1	-1	3	-1	3	1	1	3	5	-1	-1	1	1	1	-3	-1	1	4	4	4	4	4	4
1	1	-1	-1	1	1	-1	1	1	1	3	3	5	3	1	-1	1	1	1	-3	-1	1	4	4	4	4	-4	-4

FIG. 13
PRIOR ART

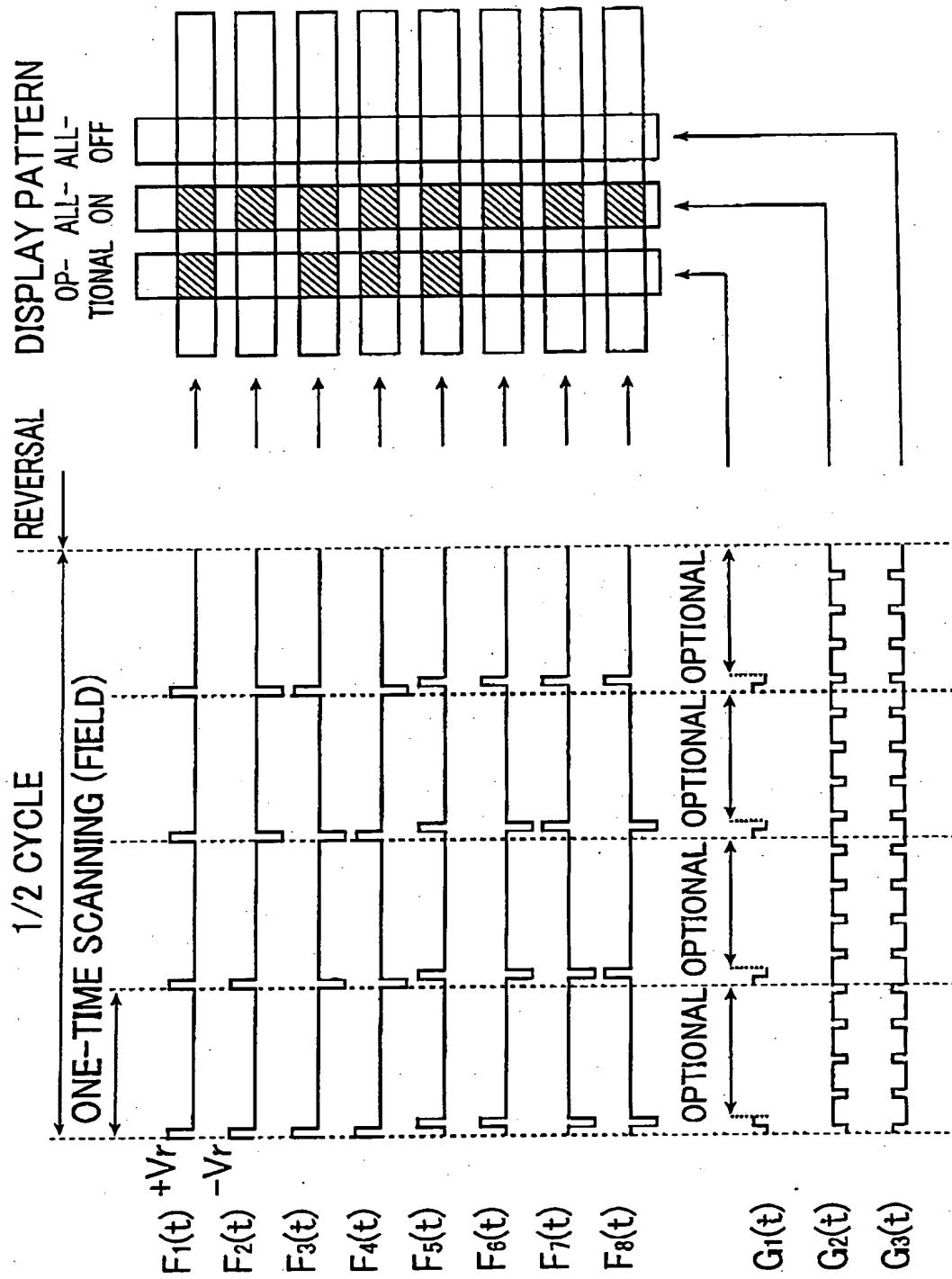


FIG. 14
PRIOR ART

